

Recovery Plan Action Status

Plan Name: South Florida Multi-Species Recovery Plan (68 spp.)

Plan Status: Final

Plan Date: 18-May-99

Lead Agency: USFWS

Lead Office: South Florida Ecological Services Field Office

**(772)
562-3909)**

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
American crocodile (Crocodylus acutus)	3	amcr-h1.1	Acquire or otherwise protect habitat for American crocodiles.	Ongoing Current	Prior to FY 1995		Florida Fish and Wildlife Conservation Commission, South Florida counties, Private industry, landowners, etc.	Work type not yet selected	Labor type not yet selected	Critical habitat designated in 1976. Cost dependent upon specific site and amount of land acquired. Action lead(s): FWS
American crocodile (Crocodylus acutus)	3	amcr-h1.2	Protect essential crocodile habitat on private lands.	Not Started			Florida Fish and Wildlife Conservation Commission, South Florida counties, Private industry, landowners, etc.	Work type not yet selected	Labor type not yet selected	Cost dependent upon type of protection afforded. Action lead(s): FWS
American crocodile (Crocodylus acutus)	2	amcr-h2.1	Continue to maintain nesting sites adequate to maintain viability of the American crocodile.	Ongoing Current			Florida Fish and Wildlife Conservation Commission, Private industry, landowners, etc.	Work type not yet selected	Labor type not yet selected	Cost is per acre (ex. 1.5/acre); Total cost dependent upon number of acres maintained. Action lead(s): FWS
American crocodile (Crocodylus acutus)	3	amcr-h2.2	Restore areas to suitable habitat.	Not Started			Florida Fish and Wildlife Conservation Commission, South Florida counties, Private industry, landowners, etc.	Work type not yet selected	Labor type not yet selected	Cost is per acre (ex. 10.0/acre); Total cost dependent upon number of acres restored. Action lead(s): FWS
American crocodile (Crocodylus acutus)	2	amcr-h2.3	Complete the Project to Modify Water Deliveries to Everglades NP and Canal 111.	Not Started			U.S. Environmental Protection Agency, U.S. Army Corps of Engineers, Florida Department of Environmental Protection, Florida Fish and Wildlife Conservation Commission, Florida Department of Agriculture and Consumer Services, Water Management Districts, South Florida counties	Work type not yet selected	Labor type not yet selected	Cost difficult to determine because task involves extensive cooperation and cost sharing among a number of agencies. Action lead(s): COE

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American crocodile (Crocodylus acutus)	2	amcr-h2.4	Continue to monitor the effects of the Interim Operating Plan (for protection of the Cape Sable seaside sparrow) to Everglades NP on the American crocodile to determine optimal operations schedules.	Not Started			U.S. Environmental Protection Agency, U.S. Army Corps of Engineers, Florida Department of Environmental Protection, Florida Fish and Wildlife Conservation Commission, Florida Department of Agriculture and Consumer Services, Water Management Districts, South Florida counties	Work type not yet selected	Labor type not yet selected	Action lead(s): COE
American crocodile (Crocodylus acutus)	2	amcr-h2.5	Continue habitat and population modeling to determine operational schedules for structures associated with the Program to Modify Water Deliveries to Everglades NP, Canal 111, and the Southern Florida Flood Control Project that provide optimal habitat for the American crocodile.	Ongoing Current			U.S. Environmental Protection Agency, U.S. Army Corps of Engineers, Florida Department of Environmental Protection, Florida Fish and Wildlife Conservation Commission, Florida Department of Agriculture and Consumer Services, Water Management Districts, South Florida counties	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS
American crocodile (Crocodylus acutus)	3	amcr-h2.6	Create additional nesting habitat for crocodiles in South Florida.	Not Started			Florida Fish and Wildlife Conservation Commission, Private industry, landowners, etc., Public and private universities	Work type not yet selected	Labor type not yet selected	Cost is per acre (ex. 4.0/acre); Total cost dependent upon number of acres created for nesting habitat. Action lead(s): FWS
American crocodile (Crocodylus acutus)	2	amcr-h2.7	Restore or create nursery habitat for American crocodiles in South Florida.	Not Started			Florida Fish and Wildlife Conservation Commission, Private industry, landowners, etc., Public and private universities	Work type not yet selected	Labor type not yet selected	Cost is per acre (ex. 4.0/acre); Total cost dependent upon number of acres restored. Action lead(s): FWS
American crocodile (Crocodylus acutus)	3	amcr-h2.8	Continue to enforce land-use restrictions in essential crocodile habitat.	Not Started			Florida Fish and Wildlife Conservation Commission	Work type not yet selected	Labor type not yet selected	Cost included in budget of agency responsible for enforcing restrictions. Action lead(s): FWS

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American crocodile (Crocodylus acutus)	3	amcr-h3.0	Conduct research on the habitat relationships of the American crocodile.	Not Started			Florida Fish and Wildlife Conservation Commission, Public and private universities	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS
American crocodile (Crocodylus acutus)	3	amcr-h4.1	Continue to monitor crocodile nesting habitat.	Not Started			Florida Fish and Wildlife Conservation Commission, Private industry, landowners, etc., Public and private universities	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS, FWC, NPS, private, universities
American crocodile (Crocodylus acutus)	3	amcr-h4.2	Continue long-term assessments of pesticide and heavy metal contamination levels in South Florida ecosystems.	Not Started			U.S. Geological Survey, Biological Resources Division, U.S. Environmental Protection Agency, Florida Fish and Wildlife Conservation Commission, Water Management Districts, Public and private universities	Work type not yet selected	Labor type not yet selected	Cost difficult to determine because task involves extensive cooperation and cost sharing among a number of agencies. Action lead(s): FWS
American crocodile (Crocodylus acutus)	2	amcr-h5.0	Increase public awareness of the habitat needs of crocodiles.	Not Started			Florida Fish and Wildlife Conservation Commission, South Florida county parks, South Florida state parks, Public and private universities	Work type not yet selected	Labor type not yet selected	High cost required for developing extensive outreach and education program. Action lead(s): FWS
American crocodile (Crocodylus acutus)	3	amcr-s1.1	Evaluate coastal wetlands to determine their suitability for crocodiles.	Not Started			Florida Fish and Wildlife Conservation Commission, Public and private universities	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS
American crocodile (Crocodylus acutus)	3	amcr-s1.2	Survey crocodile colonies in suitable habitats in South Florida.	Ongoing Current			Florida Fish and Wildlife Conservation Commission, Public and private universities	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS
American crocodile (Crocodylus acutus)	3	amcr-s2.1.1	Control human-induced crocodile mortality and disturbance.	Not Started			Florida Fish and Wildlife Conservation Commission	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS

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American crocodile (Crocodylus acutus)	3	amcr-s2.1.2	Alert motorists on roads where repeated collisions between automobiles and American crocodiles have occurred.	Not Started			Florida Department of Transportation, Florida Fish and Wildlife Conservation Commission	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS
American crocodile (Crocodylus acutus)	2	amcr-s2.1.3	Reduce the incidence of American crocodile road mortalities by installing box culverts.	Not Started			Florida Department of Transportation, Florida Fish and Wildlife Conservation Commission	Work type not yet selected	Labor type not yet selected	Too many variables, such as width and location of road, to accurately determine cost. Action lead(s):
American crocodile (Crocodylus acutus)	3	amcr-s2.1.4	Control terrestrial predators of crocodile eggs and hatchlings in areas where they may be artificially high.	Not Started			Florida Fish and Wildlife Conservation Commission, Private industry, landowners, etc.	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS, NPS, private
American crocodile (Crocodylus acutus)	3	amcr-s2.2	Continue long-term assessment of pesticide and heavy metal contamination levels in crocodile eggs.	Not Started			U.S. Geological Survey, Biological Resources Division, U.S. Environmental Protection Agency, Florida Fish and Wildlife Conservation Commission, Water Management Districts, Public and private universities	Work type not yet selected	Labor type not yet selected	Approximately 10 eggs will be analyzed once every five years at a cost of \$1,000 per egg. Action lead(s): FWS
American crocodile (Crocodylus acutus)	2	amcr-s2.3	Assure coordinated management actions by interagency agreements or other means.	Not Started			U.S. Army Corps of Engineers, Florida Fish and Wildlife Conservation Commission, Water Management Districts	Work type not yet selected	Labor type not yet selected	Cost encompasses consensus-building efforts among agencies involved in Everglades restoration efforts. Action lead(s): FWS
American crocodile (Crocodylus acutus)	3	amcr-s3.1	Determine the carrying capacity of remaining crocodile habitat in South Florida.	Not Started			Florida Fish and Wildlife Conservation Commission, Public and private universities	Work type not yet selected	Labor type not yet selected	Action lead(s): universities
American crocodile (Crocodylus acutus)	3	amcr-s3.2	Conduct research to determine basic biological needs of the American crocodile.	Not Started			Florida Fish and Wildlife Conservation Commission, Private industry, landowners, etc., Public and private universities	Work type not yet selected	Labor type not yet selected	Action lead(s): universities

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American crocodile (Crocodylus acutus)	3	amcr-s3.3	Evaluate the effects of human disturbances on crocodile behavior.	Not Started			Florida Fish and Wildlife Conservation Commission, Public and private universities	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS, FWC
American crocodile (Crocodylus acutus)	3	amcr-s3.4	Develop identification techniques for American crocodiles.	Not Started			Public and private universities	Work type not yet selected	Labor type not yet selected	See Mazzotti and Cherkiss (2003). Action lead(s): universities
American crocodile (Crocodylus acutus)	2	amcr-s4.1	Coordinate monitoring programs and protocols.	Ongoing Current			Florida Department of Environmental Protection, Florida Fish and Wildlife Conservation Commission, South Florida counties	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS
American crocodile (Crocodylus acutus)	3	amcr-s4.2	Conduct surveys for American Crocodiles.	Ongoing Current			Florida Fish and Wildlife Conservation Commission, Private industry, landowners, etc., Public and private universities	Work type not yet selected	Labor type not yet selected	Action lead(s): FWC, private, universities
American crocodile (Crocodylus acutus)	3	amcr-s4.3	Conduct a mark-recapture program for the American crocodile.	Not Started			Florida Fish and Wildlife Conservation Commission, Private industry, landowners, etc., Public and private universities	Work type not yet selected	Labor type not yet selected	Action lead(s): FWC, private, NPS, universities
American crocodile (Crocodylus acutus)	3	amcr-s5.1	Continue State program for relocation of crocodiles that threaten human safety.	Not Started			Florida Fish and Wildlife Conservation Commission	Work type not yet selected	Labor type not yet selected	Cost includes tracking individuals after relocation. Action lead(s): FWC
American crocodile (Crocodylus acutus)	3	amcr-s5.2	Assess the effectiveness of road signage for reducing the numbers of American crocodiles killed by automobiles.	Not Started			Florida Department of Transportation, Florida Fish and Wildlife Conservation Commission	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS

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American crocodile (Crocodylus acutus)	3	amcr-s5.3	Develop and distribute informational brochures regarding the biology and conservation of American crocodiles.	Not Started			Florida Fish and Wildlife Conservation Commission, South Florida county parks, South Florida state parks, Public and private universities	Work type not yet selected	Labor type not yet selected	Action lead(s): FWC, universities